DAILY DRILLING REPORT

VARNER WELL AND PUMP CO.

BOX 237 DUBUQUE, IOWA 52001

Date 3-30-77
Job Olds, Inc.
Hole No. # 4
Rig No. Boosters
Tour M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
1775	1776	5:08	5:13	5			DOLO.	
	77		5:19	6				
	78		5:27	8				
	79		5:34	7				
	1780		5:38	4				
	81		5:42	6				
	82		5:44	2				
	83		5:49	5			COVN @ 1783	
	84	6:00	6:08	8				
	1785		6:12	4			DOLO - CHERTY	
	86		6:23	11				
	87		6:29	6				
	88		6:34	5				
	89		6:40	6				
	1790		6:47	7				
	91		6:53	6				
	92		6:59	6				
	93		7:05	6				
	94		7:13	8				
	1795		7:20	7			DOLO - CHERTY	
	96		7:25	5	* Jordan			
	97		7:29	4				
	98		7:32	3				
	99		7:36	4				
	1800		7:39	3			SAND	
	01		7:42	3				
	02		7:45	3				
	03		7:48	3				
	04		7:50	2				
	1805		7:55	5			SAND	

ADDITIONAL REMARKS, ETC.

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

VARNER WELL AND PUMP CO.

BOX 237 DUBUQUE, IOWA 52001

Date 3-30-77
Job OLDS, IOWA
Hole No. #4
Rig No. BREWSTER
Tour M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
1805	1806	7:55	8:00	5			Sand	
	07		8:06	6				
	08		8:13	7				
	09		8:19	6				
	1810		8:25	6				
	11		8:30	5				
	12		8:35	5				
	13		8:40	5			Conn @ 1813	
	14	8:55	9:00	5				
	1815		9:05	5				
	16		9:10	5				
	17		9:15	5				
	18		9:20	5				
	19		9:24	4				
	1820		9:30	6			Sand.	
	21		9:35	5				
	22		9:40	5				
	23		9:47	7				
	24		9:52	5				
	1825		10:05	13				
	26		10:12	7				
	27		10:16	4				
	28		10:20	4				
	29		10:25	5				
	1830		10:30	5				
	31		10:40	10				
	32		10:50	10				
	33		11:00	10				
	34	4:25	4:30	5				
	1835		4:34	4				

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

VARNER WELL AND PUMP CO.

BOX 237 DUBUQUE, IOWA 52001

Date 3/31/72
Job Olds. Iowa
Hole No.
Rig No.
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
1835	1836	4:34	4:38	4			SANDSTONE	
	37		4:42	4				
	38		4:46	4				
	39		4:50	4				
	1840		4:55	5			SANDSTONE	
	41		4:59	4				
	42		5:03	4				
	43		5:07	4				
	44		5:10	3				Core @ 1844'
	1845	5:19	5:22	3				SEP. RIG.
	46		5:26	4				
	47		5:30	4				
	48		5:36	6				
	49		5:41	5				
	1850		5:48	7				
	51		5:56	8				
	52		6:04	8				
	53		6:12	8				
	54		6:20	8				
	1855		6:28	8				
	56		6:38	10				
	57		6:48	10				
	58		6:57	9				
	59		7:06	9				
	1860		7:14	8				
	61		7:22	8				
	62		7:30	8				
	63		7:39	9				
	64		7:48	9				
	1865		7:57	9				

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

VARNER WELL AND PUMP CO.

BOX 237 DUBUQUE, IOWA 52001

Date 3/31/77
Job OLDS, IOWA
Hole No. 4
Rig No. BREWSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
1865	1866	7:57	8:06	9			Mostly Sandstone	
	67		8:15	9				
	68		8:23	8				
	69		8:31	8				
	1870		8:40	9				
	71		8:47	7				
	72		8:52	5				
	73		8:56	4				
	74		9:00	4				
	1875		9:04	4				Comm @ 1875' Sdy Lm
	76	9:17	9:24	7				
	77		9:32	8				
	78		9:38	6				1895-96 - 12:19 | 12:30 | 11
	79		9:45	7				97 - 12:39 | 9
	1880		9:52	7			Sdy - Dolo.	98 - 12:45 | 6
	81		10:00	8				99 - 12:50 | 5
	82		10:08	8				1900 - 12:57 | 7
	83		10:16	8				
	84		10:24	8				
	1885		10:31	7				
	86		10:39	8				
	87		10:48	9				
	88		10:56	8				
	89		11:03	7				
	1890		11:13	10			Sdy Dolo.	
	91		11:20	7				
	92	11:31	11:42	11				
	93		12:00	18				
	94		12:09	9				
	1895		12:19	10				

ADDITIONAL REMARKS, ETC.

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DAILY DRILLING REPORT

VARNER WELL AND PUMP CO.

BOX 237 DUBUQUE, IOWA 52001

Date 3/30/77
Job Olds, Iowa
Hole No. 4
Rig No. BREWSTER
Tour M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
1245	1246	9:53	9:52	4			MOSTLY CHERT	
	47		10:03	6				
	48		10:09	6				
	49		10:14	5				
	1250		10:18	4				Conn @ 1250'
	51	2:42	2:49	7				WAIT ON WATER
	52		2:55	6				(W.O.W)
	53		3:03	8				
	54		3:09	6				
	1255		3:16	7				
	56		3:23	7				
	57		3:30	7				
	58		3:40	10				
	59		3:45	5				
	1260		3:50	5			~~1255-96~~ 97 98 99 1300	~~1219 - 1200~~ 12:30 12:45 12:50
	61		3:53	3				
	62		3:55	2				
	63		3:59	4				
	64		4:05	6				
	1265		4:11	6				
	66		4:17	6				
	67		4:22	5				
	68		4:29	6				
	69		4:34	6				
	1270		4:39	5				
	71		4:44	5				
	72		4:49	5				
	73		4:54	5				
	74		4:59	5				
	1275		5:08	9				

ADDITIONAL REMARKS, ETC. _____

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